

**PORT ST. LUCIE
PARTNER CAMPUS - PHASE II**



**CLASSROOM FACILITY
BT- 623**

Final Printing for Signatures
October 12, 2006

PORT ST. LUCIE PARTNER CAMPUS - PHASE II



CLASSROOM FACILITY BT- 623

Treasure Coast Campus
FLORIDA ATLANTIC UNIVERSITY

PORT ST. LUCIE, FLORIDA

PREPARED IN ACCORDANCE WITH
AVP POLICY AND PROCEDURE #2
PROGRAM DEVELOPMENT

OCTOBER 2006

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**Florida Atlantic University
FACILITIES PROGRAM**

PREPARED BY:

Robert Richman, Program Coordinator

REVIEWED AND APPROVED:**FACILITIES PLANNING:**

This is to certify that this document has been reviewed for project schedule, budget and code requirements.

Raymond Nelson, Director

ASSOCIATE VICE PRESIDENT, OFFICE OF THE UNIVERSITY ARCHITECT:

This is to certify that this document meets the intent of the University Architect's AVP Policy and Procedure #2 (Development of Facility Program) and is consistent with the latest approved Campus Master Plan.

Thomas Donaudy, Associate Vice President & University Architect

INFORMATION RESOURCE MANAGEMENT:

This is to certify that this document meets the requirements of Information Resource Management.

Jeffery Schilit, Associate Provost

PROGRAM COMMITTEE:

This is to certify that this document contains the recommendations of the Program Committee.

Beverly Sargent, Program Committee Chair,
Director, Treasure Coast Campus

BT-623 PORT ST. LUCIE – PHASE II FACILITY

CAMPUS VICE PRESIDENT:

This is to certify that I agree with the recommendations of the Program Committee and the program requirements herein.

Geraldine McPherson, Campus Vice President

DIVISION OF ACADEMIC AFFAIRS:

This is to certify that this document meets the requirements of the Office of Academic Affairs.

John Pritchett, University Provost & Chief Academic Officer

DIVISION OF FINANCIAL AFFAIRS:

This is to certify that this document meets the requirements of the Division of Financial Affairs.

Kenneth Jessell, Vice President for Financial Affairs

OFFICE OF THE ASSOCIATE VICE PRESIDENT & UNIVERSITY ARCHITECT:

This is to certify that this document meets the needs of Florida Atlantic University that it is in conformance with all applicable requirements, and is hereby recommended to the President.

Thomas Donaudy, Associate Vice President & University Architect

FLORIDA ATLANTIC UNIVERSITY:

This is to certify that this document has been reviewed by the administrative leadership at Florida Atlantic University and that the material contained herein is forwarded with the President's approval and recommendation.

Frank T. Brogan, President

Date

A. PROJECT HISTORY

FAU has served the Treasure Coast since the 1970s, partnering with Indian River Community College to extend educational opportunities that take students from an associate's degree through undergraduate and graduate degrees. In 1994, FAU purchased 50 acres in the St. Lucie West area of Port St. Lucie, which included a building built by Barry University in the early 1990's. After operating in the pre-existing facility (named SL building by FAU) for eight years with limited office space and 6 classrooms, FAU joined IRCC in opening today's unique joint-use facility. FAU now enrolls close to 2,700 students annually at the Treasure Coast Campus where coursework and degrees are offered from seven of FAU's eight regionally and professionally accredited colleges.

FAU and IRCC operate the campus by splitting utility costs, maintenance operations and campus policing. Student lounges, the student services office and other common areas are also shared among the two institutions. IRCC's student population is 6,500, accounting for 71% of the total campus-wide enrollment. This working educational partnership meets the Florida Board of Governors Goal #1 "Providing Increased Access to Higher Education." In addition to IRCC and FAU, St. Lucie County is also a partner in the campus library. This facility is 15,575 square feet and serves 14,000 patrons annually. FAU accounts for 16 percent of the total book circulation and 14 percent of the computer usage.

In 1997-1998, the 2011 projected FTE for the Treasure Coast Campus was 535. As of 2005, the campus reached an FTE of 479, which far exceeds previous estimates for that time period. The campus has experienced a 73 percent change in annualized state fundable FTE over the past five years. If the pattern continues, campus FTE could reach 739 by 2010-2011 (Source: FAU 2005-2006 Student Data Course File).

This facility program is a fluid document that attempts to define the specific needs for the proposed facility, while allowing for the fine tuning of academic programs as the project moves forward through the lengthy design and construction phases. The resulting total amount of space provided, and the classifications of space provided will be finalized as the AE is selected and performs program verification for the proposed facility. Every attempt must be made to gain the greatest amount of flexibility to accommodate changes and fluctuations in academic programs.

B. CONSTRUCTION DELIVERY METHOD

The University anticipates the utilization of a construction manager for this project. The size of the project is sufficiently large and/or complex to require major emphasis on the qualification of the contractor in order to provide specific expertise in highly specialized cost estimating, value engineering, and scheduling during the design process, with continuity of construction management through both design and construction phases.

A. STATE UNIVERSITY SYSTEM OF FLORIDA MASTER PLAN

The proposed program for this project is consistent with the goals and objectives of the current Treasure Coast Campus Master Plan, adopted January 18, 2006.

B. ACADEMIC PROGRAM REVIEWS

Space assigned in this building will be used to support all academic programs offered on this campus.

C. RECOMMENDATIONS OF THE REVIEW CONSULTANTS

Not Applicable

C. JUSTIFICATIONS

Not Applicable

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VI. SPACE NEEDS ASSESSMENT BT-623 PORT ST. LUCIE – PHASE II FACILITY

A. FACILITY DEFICIENCIES

Although the Treasure Coast Campus is somewhat ahead of other campuses in regards to number of classrooms with the technology for delivering & receiving courses university-wide, the demand for these classrooms has already outweighed the available space. Since the University has upgraded the basic system to be able to handle many more distance learning classes simultaneously, the campus is ready to equip more classrooms with this technology. Classrooms in the new building will enable the campus to offer more distance learning classes by receiving them from partner campuses and originating others from TCC thereby fulfilling the FAU Board of Trustee's Goal #5 "Building a State-of-the-Art Information Technology Environment."

With 30 full-time resident faculty, 37 staff members and visiting faculty, professional staff and adjuncts the existing office space is full. Two teaching conference rooms have already been converted to faculty offices to accommodate growth. The existing space in the Student Services area (shared with IRCC) limits the campus' ability to hire more professional staff to serve student needs in financial aid, career services and student life. With the prospect of the new building, an advising/career service center will be created that will help to alleviate the space problem in student services. Additional faculty offices will afford the opportunity to hire additional faculty to maximize existing degree programs and begin new ones. This would fulfill the Florida Board of Governor's Goal #1 "Providing Increased Access to Higher Education", Goal #2 "Meeting Statewide Professional and Workforce Needs, and the FAU Board of Trustee's Goal #6 "Enhancing the Physical Environment."

The existing St. Lucie building, a 12,000 square foot structure was built in the early 1990's by Barry University. It contains classrooms, student lounge, and a small bookstore and is far below current state standards. Among other problems, it is a wooden structure, has a residential-grade cooling system, residential-grade windows, exterior and interior doors and plumbing fixtures below state minimum.

B. ALTERNATIVE SOLUTIONS - Not Applicable

C. QUANTITATIVE ANALYSIS OF PROGRAM SPACES

The *State Requirements for Educational Facilities Chapter 6, Section 6.1, Size of Spaces and Occupant Criteria Table* was utilized as a guide in the development of this program. The resulting detailed Space Program is included in Section IX

D. PROJECT AND SURVEY RECOMMENDATIONS - Not Applicable

A. THE ADOPTED CAMPUS MASTER PLAN

The proposed project is consistent with the current Treasure Coast Campus Master Plan (CMP) prepared and adopted on January 18, 2006.

A. SITE CONDITIONS

1. SITE TOPOGRAPHY (CM-N-04.00-09/97 B.1)

The site is a level green field site.

2. STORM DRAINAGE (CM-N-04.00-09/97 B.2)

The site is part of the Campus-wide permitting with the South Florida Water Management District. If required, the architect will be directed to provide attenuation strategy for storm water management on site. Refer to Section X, Utilities Impact Analysis for site maps and description of the site storm water system.

3. VEHICULAR AND PEDESTRIAN CIRCULATION (CM-N-04.00-09/97 B.3)

Vehicular, pedestrian and service circulation to the site will require study by the selected design consultant.

4. SITE VEGETATION (CM-N-04.00-09/97 B.4)

Site vegetation consists mainly of level lawn and small decorative shrubbery. The university will adhere to its policy of replanting and replacing any tree or shrubbery that are removed or damaged due to new construction, and the architect shall recommend additional improvements in his design. It is expected that landscaping will play an important role in enhancing the structure as well as shielding the required service area from view.

5. ARCHAEOLOGICAL HISTORY (CM-N-04.00-09/97 B.5)

There is no known archeological history on this site.

6. EXISTING UTILITY LOCATIONS (CM-N-04.00-09/97 B.6)

Refer to Section X, Utility Impact Analysis for campus utility infrastructure maps and description of site utilities.

7. ARCHITECTURAL SIGNIFICANCE OF ADJACENT STRUCTURES (CM-N-04.00-09/97 B.7)

The building design is to compliment the existing scale and architectural vocabulary of the surrounding structures.

8. UNUSUAL SITE CONDITIONS (CM-N-04.00-09/97 B.8)

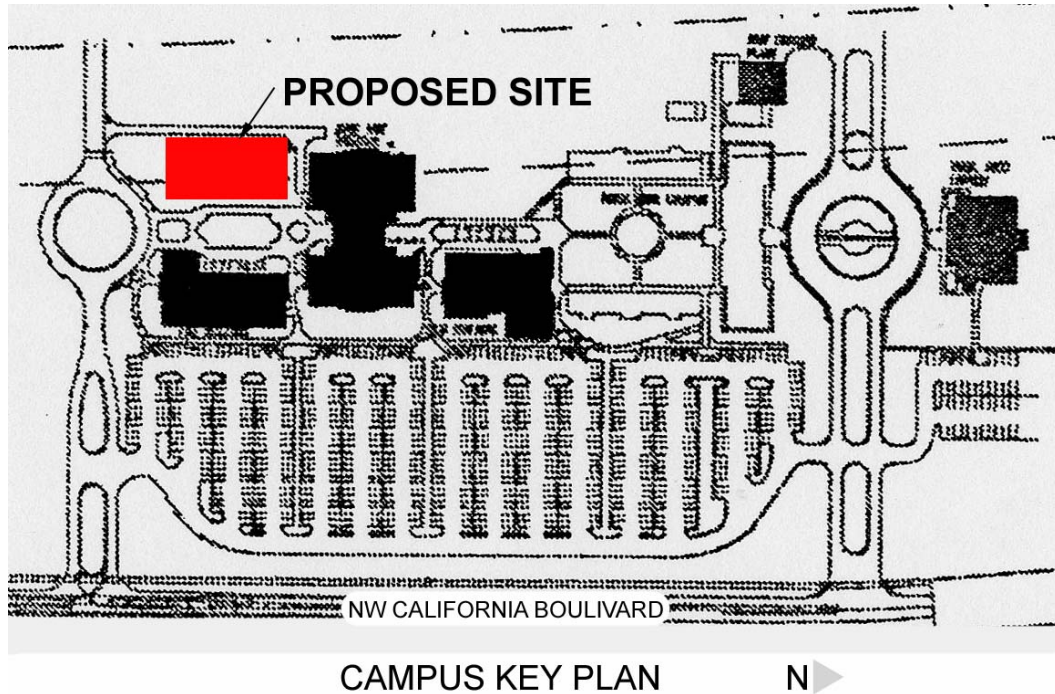
There are no unusual site conditions.

9. DIRECTION OF PREVAILING WINDS (CM-N-04.00-09/97 B.9)

There is no University wide study of the prevailing wind patterns. Generally the wind patterns vary seasonally reflecting the global patterns associated with the summer tropic air currents from the southeast and winter arctic winds from northwest. More importantly, the Architect must study the effect of microclimate created by existing tree canopy and site conditions (in addition to the relationship to adjacent building exhaust, fresh air intake and vehicular traffic patterns) in siting the building and in designing for views and HAVC/MEP systems.

B. CAMPUS MAP & SITE MAPS

The following is a campus map showing the general vicinity of the proposed FAU facility.



A. PROGRAM AREA TABLE

The following table represents a probable program of space requirements for the proposed facility. These requirements may change during the AE selection process, and as academic program requirements are firmed up, but the total amount of space will remain roughly equivalent to that shown below. The selected AE will confirm the program upon project start-up, and if conditions exist that allow for additional space to be afforded, the AE may revise the program accordingly.

BT-623 Port St. Lucie Parner Campus - Phase II Facility
Program Outline

	Work-up of Required Space After July 7, 2006 Meeting					
	# ppl	sf per ppl	Area each	# of spaces	Total Net Area	Subtotals
Classroom Space						
3 Small Classrooms for 30-35	35	25	875	3	2,625	
5 Medium Classrooms for 40-50	50	22	1,100	5	5,500	
Classroom Support Space / Storage			150	2	300	
1 Large Classroom For 75-80	80	22	1,760	1	1,760	
SubTotal Classrooms						10,185
Auditorium						
Video Conference / Multi-purpose Aud for 120*	120	15	1,800	1	1,800	
Storage, Prep and Media Room			150	3	450	
Subtotal Auditorium / Multipurpose						2,250
Student Support						
Student Meeting Rooms for 6 to 8			200	4	800	
Subtotal Student Support Space						800
Teaching Labs						
Nursing Lab			500	-	-	
Subtotal Teaching Labs						-
Office Space						
Secretary Reception Dept 1			350	1	350	
Chair / Director's Office			200	1	200	
Staff and Faculty Offices			120	15	1,800	
Small Conference Room			225	1	225	
File,Copy, Work			120	1	120	
Storage			120	1	120	
Secretary Reception Dept 2			350	1	350	
Chair / Director's Office			200	1	200	
Staff and Faculty Offices			120	15	1,800	
Small Conference Room			225	1	225	
File,Copy, Work			120	1	120	
Storage			120	1	120	
Advising Center Reception			350	1	350	
3 Academic Advisors			120	3	360	
1 Career Counselor			120	1	120	
Files Copy Work Room			120	1	120	
1 Seminar / Video Conference room for 20			600	1	600	
Subtotal Office Space						7,180
	Total Work-up Program Net Area (rar)					20,415
	Gross Area using 1.5 factor					30,623

NOTE: Multi-purpose Auditorium space to have level floor. Some classrooms may have tiered floors – to be determined. All classrooms to have built-in storage along one wall.

BT-623 PORT ST. LUCIE – PHASE II FACILITY

A. SPACE DESCRIPTION FORMS

The following forms are to be used as a guide toward interpreting the space requirements.

SPACE:	AUDITORIUM / MULTIPURPOSE ROOM		
DEPARTMENT:			
AREA:	Auditorium / Multi-purpose Room		
SPACE NAME:			
DESCRIPTION / USE:	Large Assembly for teaching or other functions		
SUS SPACE CATEGORY:	General Use - Assembly	ROOM USE CODE:	610
PERSONNEL ASSIGNED / MAX.:	120 People		
DIMENSION / AREA:	See Program		
NUMBER REQUIRED:	1		
RELATIONSHIPS			
PRIMARY:	Main Lobby		
SECONDARY:			
ARCHITECTURAL CRITERIA			
FLOORS:	Mildew resistant carpet or carpet tile w/ vinyl base. Level Floor		
WALLS:	Highly washable textured paint over gypsum board with sound absorptive treatment as required.		
CEILINGS:	Suspended acoustic tile or Paint over gypsum board ceiling as required for proper acoustic treatment of the room.		
DOORS:	Solid core wood w/ HM frame.		
WINDOWS:	Not required, but if provided, include electronically operated shading devices for proper environment for use of computer and multimedia projection screen.		
LIGHTING:	Indirect lighting to enhance use of computer monitors w/ recessed down-lights and recessed fluorescent lights with parabolic lens. Front stage/lectern area controlled separately. All areas under electronic rheostat control as required for integrated lighting control for use of video/computer projection screen.		
ACOUSTICAL:	Proper room design for attenuation of both amplified and un-amplified speech. Acoustic isolation and insulation is required.		
MECHANICAL CRITERIA			
HVAC:	Maintain low ambient noise level for clear un-amplified speech.		
PLUMBING:	N/A		
COMMUNICATIONS:	Category 5 network ports as required. Provide 2 category 5 ports, telephone line, and fiber optic cable at lectern location. Wireless capability.		
ELECTRICAL:	Provide multiple power outlets at the lectern for audio-video equipment and computers. Provide 4-inch conduit from projector to lectern (and the computer room). Conditioned electrical power at dedicated panel box to each power outlet for computers. Backup UPS provided for lectern computer.		
FURNITURE/EQUIPMENT			
FURNITURE (OWNER):	NA		
EQUIPMENT (OWNER):	Ceiling mounted computer projector with motorized lift, document camera, computer, 2 overhead projector screens, porcelain coated steel whiteboards, VCR, DVD (or other recording technology), audio system, control panel and remote.		
FURNITURE (CONTRACTOR):	Moveable furniture only for flexibility, by owner.		
EQUIPMENT (CONTRACTOR):	Owner purchased and Contractor installed.		
SUPPLEMENTAL INFORMATION/REQUIREMENTS			
1. Moveable lectern console with equipment and integrated control panel built-in. Include lighting control.			
SPACE:	TIERED CLASSROOMS		
DEPARTMENT:			
AREA:	Classroom		

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SPACE NAME:	Classroom		
DESCRIPTION / USE:	Class lectures and demonstrations		
SUS SPACE CATEGORY:	Classroom	ROOM USE CODE:	110
PERSONNEL ASSIGNED / MAX.:	Instructor 1 Person	Students Varies per program outline	
DIMENSION / AREA:	Varies per program outline		
NUMBER REQUIRED:			
RELATIONSHIPS			
PRIMARY:			
SECONDARY:			
ARCHITECTURAL CRITERIA			
FLOORS:	Mildew resistant carpet w/ vinyl base. Stepped/Tiered Floor		
WALLS:	Highly washable textured paint over gypsum Board with sound absorptive treatment as required.		
CEILINGS:	Suspended acoustic tile or Paint over gypsum board ceiling as required for proper acoustic treatment of the room.		
DOORS:	Solid core wood w/ HM frame.		
WINDOWS:	If provided, include electronically operated shading devices for proper environment for use of computer and multimedia projection screen.		
LIGHTING:	Indirect lighting to enhance use of computer monitors w/ recessed down-lights and recessed fluorescent lights with parabolic lens. Front stage/lectern area controlled separately. All areas under electronic rheostat control as required for integrated lighting control for use of video/computer projection screen.		
ACOUSTICAL:	Proper room design for attenuation of both amplified and un-amplified speech. Acoustic isolation and insulation is required.		
MECHANICAL CRITERIA			
HVAC:	Maintain low ambient noise level for clear un-amplified speech.		
PLUMBING:	N/A		
COMMUNICATIONS:	Category 5 network port for every seat location. Provide 2 category 5 ports, telephone line, and fiber optic cable at lectern location. Wireless capability may replace ports at each seat.		
ELECTRICAL:	Power to each seat for laptop computers. Provide multiple power outlets at the lectern for audio-video equipment and computers. Provide 4-inch conduit from projector to lectern (and the computer room). Conditioned electrical power at dedicated panel box to each power outlet for computers. Backup UPS provided for lectern computer.		
FURNITURE/EQUIPMENT			
FURNITURE (OWNER):	Separate upholstered seating – not attached to tables.		
EQUIPMENT (OWNER):	Ceiling mounted computer projector with motorized lift, document camera, computer, 2 overhead projector screens, porcelain coated steel whiteboards, VCR, DVD (or other recording technology), audio system, control panel and remote.		
FURNITURE (CONTRACTOR):	Fixed continuous tables, lectern console (with fully integrated audio/video control and computer), built in storage cabinets, one wall.		
EQUIPMENT (CONTRACTOR):	Owner purchased and Contractor installed.		
SUPPLEMENTAL INFORMATION/REQUIREMENTS			
1. Provide stepped or sloped seating area. Explore Arc- shaped and U- shaped configurations.			
2. Fiber optic and coaxial cable to computer room			
3. Fixed lectern console with equipment and integrated control panel built-in. Include lighting control.			

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SPACE:		LEVEL CLASSROOMS	
DEPARTMENT:			
AREA:		Classroom	
SPACE NAME:		Classroom	
DESCRIPTION / USE:		Class lectures and demonstrations	
SUS SPACE CATEGORY:		Classroom-Large	ROOM USE CODE: 110
PERSONNEL ASSIGNED / MAX.:		Instructor Students 1 Person Varies per program outline	
DIMENSION / AREA:		Varies per program outline	
NUMBER REQUIRED:		See Program	
RELATIONSHIPS			
PRIMARY:		Other Classrooms	
SECONDARY:			
ARCHITECTURAL CRITERIA			
FLOORS:		Mildew resistant carpet or VT w/ vinyl base. Level Floor	
WALLS:		Highly washable textured paint over gypsum board with sound absorptive treatment as required. Explore moveable acoustic wall between classrooms for large events.	
CEILINGS:		Suspended acoustic tile or paint over gypsum board ceiling as required for proper acoustic treatment of the room.	
DOORS:		Solid core wood w/ HM frame.	
WINDOWS:		If provided, include electronically operated shading devices for proper environment for use of computer and multimedia projection screen.	
LIGHTING:		Indirect lighting to enhance use of computer monitors w/ recessed down-lights and recessed fluorescent lights with parabolic lens. Front stage/lectern area controlled separately. All areas under electronic rheostat control as required for integrated lighting control for use of video/computer projection screen.	
ACOUSTICAL:		Proper room design for attenuation of both amplified and un-amplified speech. Acoustic isolation and insulation is required.	
MECHANICAL CRITERIA			
HVAC:		Maintain low ambient noise level for clear un-amplified speech.	
PLUMBING:		N/A	
COMMUNICATIONS:		Category 5 network ports as required. Provide 2 category 5 ports, telephone line, and fiber optic cable at lectern location. Wireless capability.	
ELECTRICAL:		Power to each seat for laptop computers flush mounted to floor (if budget allows). Provide multiple power outlets at the lectern for audio-video equipment and computers. Provide 4-inch conduit from projector to lectern (and the computer room). Conditioned electrical power at dedicated panel box to each power outlet for computers. Backup UPS provided for lectern computer.	
FURNITURE/EQUIPMENT			
FURNITURE (OWNER):		NA	
EQUIPMENT (OWNER):		Ceiling mounted computer projector with motorized lift, document camera, computer, 2 overhead projector screens, porcelain coated steel whiteboards, VCR, DVD (or other recording technology), audio system, control panel and remote; built in storage cabinets, one wall.	
FURNITURE (CONTRACTOR):		By Owner	
EQUIPMENT (CONTRACTOR):		Owner purchased and Contractor installed.	
SUPPLEMENTAL INFORMATION/REQUIREMENTS			
1. Fiber optic and coaxial cable to computer room			
2. Moveable lectern console with equipment and integrated control panel built-in.			

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SPACE:		OFFICE SPACE	
DEPARTMENT:			
AREA:		Office	
SPACE NAME:		Apply to all office and office support space	
DESCRIPTION / USE:		Office	
SUS SPACE CATEGORY:		Office	ROOM USE CODE: 310
PERSONNEL ASSIGNED / MAX.:		Varies per program outline	
DIMENSION / AREA:		Varies per program outline	
NUMBER REQUIRED:		See program	
RELATIONSHIPS			
PRIMARY:		Other offices.	
SECONDARY:			
ARCHITECTURAL CRITERIA			
FLOORS:		Mildew resistant carpet, vinyl tile or sheet vinyl w/ vinyl base as desired.	
WALLS:		Highly washable textured paint over gypsum board.	
CEILINGS:		Suspended acoustic tile.	
DOORS:		Solid core wood w/ HM frame.	
WINDOWS:		Desired for daylighting & view.	
LIGHTING:		Generally, recessed fluorescent lights with parabolic lens. Recessed down-lights may be used in special situations.	
ACOUSTICAL:		Acoustical treatment of walls & ceilings, extend partitions of Director Offices and conference rooms to the deck above w/ sound attenuating blanket.	
MECHANICAL CRITERIA			
HVAC:		Appropriate zoning per FAU Guidelines	
PLUMBING:		NA	
COMMUNICATIONS:		2 category 5 network ports. Telephone. Provide fiber optic cable as required	
ELECTRICAL:		As required. Provide power at each telephone and computer outlet. Provide conditioned power and UPS backup.	
FURNITURE/EQUIPMENT			
FURNITURE (OWNER):		Executive Desk, Credenza, Executive Chair, Bookshelves, 2 side Chairs	
EQUIPMENT (OWNER):		Computer, Telephone	
FURNITURE (CONTRACTOR):		NA	
EQUIPMENT (CONTRACTOR):		All equipment Owner purchased and Contractor installed.	
SUPPLEMENTAL INFORMATION/REQUIREMENTS			
1. Provide blinds or window shades, as required.			

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SPACE:	LOBBY & PRE-FUNCTION SPACE		
DEPARTMENT:			
AREA:	Assembly		
SPACE NAME:	Entrance lobby and other general circulation		
DESCRIPTION / USE:	Lobby / vestibule space for Auditorium, general circulation		
SUS SPACE CATEGORY:	General Use - Assembly service	ROOM USE CODE:	615
PERSONNEL ASSIGNED / MAX.:	varies		
DIMENSION / AREA:	varies		
NUMBER REQUIRED:			
RELATIONSHIPS			
PRIMARY:	Lecture Hall		
SECONDARY:	Main Entry		
ARCHITECTURAL CRITERIA			
FLOORS:	Durable and slip resistant flooring.		
WALLS:	Durable, highly washable & easily maintainable textured quality paint.		
CEILINGS:	Suspended acoustic tile or Paint over gypsum board ceiling as required. Easy Access to valves and equipment in ceiling.		
DOORS:	Glazed entrance doors. Other doors per adjoining rooms.		
WINDOWS:	Desired for daylighting		
LIGHTING:	As required per design		
ACOUSTICAL:	Proper design to control level of noise and echo.		
MECHANICAL CRITERIA			
HVAC:	As required.		
PLUMBING:	N/A		
COMMUNICATIONS:	As required.		
ELECTRICAL:	As required.		
FURNITURE/EQUIPMENT			
FURNITURE (OWNER):	NA		
EQUIPMENT (OWNER):	NA		
FURNITURE (CONTRACTOR):	NA		
EQUIPMENT (CONTRACTOR):	Owner purchased and Contractor installed.		
SUPPLEMENTAL INFORMATION/REQUIREMENTS			

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SPACE:	KITCHEN / PREP (if required)		
DEPARTMENT:			
AREA:	Food facility		
SPACE NAME:	Serving Kitchen		
DESCRIPTION / USE:	Warm-up kitchen for catered food.		
SUS SPACE CATEGORY:	General Use – Food Facility	ROOM USE CODE:	630
PERSONNEL ASSIGNED / MAX.:	1 person		
DIMENSION / AREA:	See program.		
NUMBER REQUIRED:	1		
RELATIONSHIPS			
PRIMARY:	Level Classrooms, Lecture Hall, spill-out lobby		
SECONDARY:			
ARCHITECTURAL CRITERIA			
FLOORS:	Acrylic or rubber tile floor and base.		
WALLS:	Highly washable textured paint over gypsum board.		
CEILINGS:	Suspended acoustic tile		
DOORS:	Solid core wood w/ HM frame.		
WINDOWS:	N/A		
LIGHTING:	Recessed fluorescent light.		
ACOUSTICAL:	N/A		
MECHANICAL CRITERIA			
HVAC:	As required.		
PLUMBING:	Sink. Under-counter instant-on water heater. Provide water for refrigerator icemaker.		
COMMUNICATIONS:	Provide telephone.		
ELECTRICAL:	As required. Provide additional GFI duplex outlets over countertop for food prep use.		
FURNITURE/EQUIPMENT			
FURNITURE (OWNER):	NA		
EQUIPMENT (OWNER):	Refrigerator & microwave.		
FURNITURE (CONTRACTOR):	Base & overhead cabinet w/ solid counter top.		
EQUIPMENT (CONTRACTOR):	All equipment Owner purchased and Contractor installed.		
SUPPLEMENTAL INFORMATION/REQUIREMENTS			
1. Locate near classrooms / assembly areas.			
2. Provide ventilation/exhaust in the kitchen area to control food odors.			

X. UTILITIES IMPACT ANALYSIS BT-623 PORT ST. LUCIE – PHASE II FACILITY

A. UTILITIES IMPACT ANALYSIS

The following analysis of site utilities and discussion of utility capacities, sizes and connection points is for early estimating purposes only and should not be relied upon by the design professional as direction. It is the responsibility of the design professionals to research all existing conditions and to make recommendations based on the requirements of the project, future considerations, existing capacities, sizes and the location of all utilities.

1. CHILLED WATER: (SUS CM-N-04.00-09/97 A)

The existing IRCC Chilled Water plant will most likely require an additional chiller to accommodate the added load of the proposed facility. IRCC may have additional requirements on the capacity of the chiller plant for their next facility. FAU and IRCC will require an agreement of continued use of the chilled water facility and the additional chiller. There is an existing valve box with a 6" Chilled Water Supply and Return to the Northeast of the existing Library. This will most likely be the tie in point for the proposed facility. The AE will verify the available capacity and best tie in point for this project.

2. HOT WATER: (SUS CM-N-04.00-09/97 B)

Hot water reheat and domestic hot water will be supplied by a local boiler.

3. ELECTRICAL: (SUS CM-N-04.00-09/97 C)

The AE will verify the appropriate feeders and the available capacity for this project. See the FAU Treasure Coast Campus Master plan for more information.

4. POTABLE WATER: (SUS CM-N-04.00-09/97 D)

There is an existing water line with 3 inch service, capped and plugged on site for the proposed facility. The AE will verify the available capacity and best tie in point for this project. There is an existing 6 inch water line for fire service on the site for the proposed facility.

5. SANITARY: (SUS CM-N-04.00-09/97 D)

There is an existing 6" PVC sanitary line, capped and plugged on the site for the proposed facility. The AE will verify the available capacity and best tie in point for this project.

6. IRRIGATION: (SUS CM-N-04.00-09/97 E)

Irrigation reuse water is available on the site. Tie into this system to irrigate all landscaped areas. Provide new timers for the effected area within 50 feet of the building. Some reuse lines may have to be rerouted around the proposed structure.

7. STORM WATER MANAGEMENT:

Plans are be submitted to SFWMD District for Permitting. The existing system capacity will be verified by the consultant. The Consultant will request modification to the existing Operational Permit. See the FAU Treasure Coast Campus Master Plan for more information.

8. NATURAL GAS:

Not Applicable.

9. TELECOMMUNICATIONS:

The consultant shall verify the existence of any existing IRM lines and attempt to design around it. Tie conduit into the nearest telecom manhole, as directed by IRM. Internal wiring for telecommunication is to be complete by Telecommunication Sub contractor through FAU. Cable trays and conduits to be provided by the construction manager.

BT-623 PORT ST. LUCIE – PHASE II FACILITY

10. FIRE ALARM SYSTEM:

A complete fire alarm system including ADA requirements, compatible with existing campus systems will be installed. Provisions will include an automatic dialer directly to the Campus Police.

11. ENERGY MANAGEMENT CONTROL SYSTEM:

A complete EMS will be installed, with connections to the existing front end system.

12. SITE LIGHTING:

Walkway and site lighting fixtures complying with the campus standards and FAU guidelines for foot-candle levels will be installed, as required by the building footprint.

13. SURFACE IMPROVEMENTS:

Walkways and landscape will be reconfigured, as required, to provide access through the site, and promote quality outdoor space.

B. EXISTING INFRASTRUCTURE MAPS

The following infrastructure drawings are from the construction set of Phase I utilities and conditions drawings. The reproductions below are severely reduced scans and may require viewing of the actual drawings at the Boca Raton Campus Plans Room. The information shown is meant for general information purposes only and is not to be used by the consultants or contractors in the actual design or construction of the proposed facility. All utilities and information shown are to be field verified by the AE and CM team prior to design and construction. See the next page.



XI. INFORMATION / COMMUNICATIONS RESOURCES REQUIREMENTS

BT-623 PORT ST. LUCIE – PHASE II FACILITY

A. UNIVERSITY INFORMATION / COMMUNICATION STANDARD

All voice and data systems shall comply with Florida Atlantic University's most current specifications for Information Resources Management Communication Infrastructure Specification effective on the date of the Architect/Engineer contract execution. The complete specification is located on the web at:

<http://wise.fau.edu/irm/ts/cblspecs.htm>.

The requirements of the University information/communications standards will be strictly enforced for the design and construction of the proposed facility.

B. UNIVERSITY INFORMATION RESOURCE MANAGER CERTIFICATION

By signature (on the signature page of this facilities program) the University Information Resource Manager certifies that a review of the University information/communication standards has been completed; and that the facilities program is developed in conformance with the Florida Atlantic University Information/Communication Standards in accordance with the Section 282, F.S.

The following is a consolidated estimate of IRM costs for this project. These figures are included in the project budget in Section XV of this program. Please see next page.

BT-623 PORT ST. LUCIE – PHASE II FACILITY

Project: BT - 623 PSL Classroom Ver 2

Date Submitted: August 8, 2006

Budget Summary (Based on current technology costs):

V/D/V Infrastructure:	\$ 167,898.00
Video/Dist Learning equipment:	\$ 648,000.00
	<u>\$ 815,898.00</u>

ELEMENT	AMOUNT	NOTES
Jade		
Inside and Outside Plant - voice/data/video	\$ 52,800.00	
Internal Wireless access points wi installation	\$ 28,000.00	16 AccessPoints
External Wireless access points wi installation	\$ 19,200.00	6 AccessPoints
Siemens		
Voice Switches/misc.additions	\$ 9,800.00	
Cisco		
Data switches, routers, etc	\$ 52,500.00	1 switch
Voice/Data Misc Vendors		
Phone sets (40)	\$ 3,000.00	
UPS (2)	\$ 1,200.00	
Emergency Phone**		None in program
Inside		
Outside (Solar Panel wi Pedestal)		
BellSouth/PaeTec	\$ 1,300.00	
1FBs	\$ 98.00	Alarm Dialers
Special Circuits	\$ -	
Alarms	\$ -	
OPX	\$ -	
Video Vendors (various - no vendor contract)		
Small Distance Learning Classroom (25-40 seats)	\$ 177,000.00	3 rooms @ \$59,000ea
Distance Learning Classroom (50+ seats)	\$ 350,000.00	5 rooms @ \$70,000ea
Video Conf Room	\$ 45,000.00	1 room @ \$45,000
Basic Electronic Classroom		\$28,000 ea
Teaching Auditorium w/o Distance Learning		
Teaching Auditorium with Distance Learning	\$ 76,000.00	1 room
Cable TV		
 TOTAL PROJECT ESTIMATE	 <u>\$ 815,898.00</u>	

*Not Applicable to this project

** No information provided to IRM for this portion.

A. CODES AND STANDARDS

The following editions of Codes and Standards (and associated review & permitting process), and University standards, where applicable, shall be followed for the design and construction of the proposed facility. Building codes which are approved at the time of building permit application shall be used for the project.

		DESCRIPTION
	Year	Building Codes
1.	2004	Florida Building Code, Building
2.	2004	Florida Building Code, Mechanical
3.	2004	Florida Building Code, Fuel Gas
4.	2004	Florida Building Code, Plumbing
5.	2004	Florida building Code, Test Protocols for High Velocity Hurricane zones
		Section 4A-3.012 Standard of the National Fire Protection Association (Most commonly used Codes and Standards)
Standard	Year	Title
d		
1	2003	Fire Prevention Code
10	2002	Standard for Portable Fire Extinguishers
13	2002	Standard for the Installation of Sprinkler Systems
13R	2002	Standard for the Installation of Sprinkler Systems in Residential Occupancies up to and including four stories in Height
14	2003	Standard for the Installation of Standpipe and Hose systems, except 2-7 Shall be omitted
20	2003	Standard for the Installation of Centrifugal Fire Pumps
24	2002	Standard for the Installation of Private Fire Service Mains and Their Appurtenances
25	2002	Standard for the Inspection, Testing & Maintenance of Water Based Fire Protection Systems
30	2003	Flammable and Combustible Liquids Code
45	2004	Standard on Fire Protection for Laboratories Using Chemicals
70	2004	National Electrical Code
72	2002	National Fire Alarm Code
90A	2002	Standard for the installation of Air Conditioning and Ventilating Systems
96	2004	Standard for Ventilation Control and Fire Prevention of Commercial Cooking Operations
101	2003	Life Safety Code
	3.13.3	State Fire Marshal
		Requirements for review shall comply with PSG, Exhibit 5; (all inspections, reviews and permitting for University projects shall be coordinated through the University BCA Office)
	3.13.4-5	Required Permits
		All Building permits are to be issued by the Building Code Official at FAU Facilities Planning, prior to the start of construction.
	3.13.5.2	Department of Business and Professional Regulation, Division of Hotel and restaurants, Bureau of Elevator Inspection for elevator inspections and permit, Department of Health
	3.13.5.4	Department of Environmental Protection (DEP), area Branch
	3.13.5.5	Local Water Management District permit
		SUS Standards
		FAU Cost Containment Guidelines
		FAU Professional Services Guide and Project Manual
		Florida Atlantic University
		Florida Atlantic University Cost Containment Guidelines Supplement
		All special requirements as identified in the pre-design conference meeting(s) with the various University agencies (the A/E consultant(s) shall record in meeting minutes).
		Miscellaneous Statutes
		Ratio of facilities for men and women public restrooms of Section 553.14 of Florida Statutes

Note: All reference to codes shall mean the latest editions adopted through legislation for use in state owned/leased buildings as described in the Florida Statutes sections 471, 481 and 553s

XIII. PROJECT SCHEDULE**BT-623 PORT ST. LUCIE – PHASE II FACILITY**

CONSTRUCTION MANAGEMENT PROJECT DELIVERY METHOD The University preference is the CM process with a GMP submittal at the conclusion of design phase adequate for obtaining a GMP.

GOALS AND MILESTONES	DURATION	START DATE	END DATE	
PROGRAM APPROVAL	3 weeks	12-Oct-2006	02-Nov-2006	0.1 Years
University Facilities Program Approval - All Signatures	3 weeks	12-Oct-2006	02-Nov-2006	
A/E SELECTION PROCESS	12 weeks	02-Nov-2006	25-Jan-2007	0.2 Years
Advertise for A/E in FAW	4 weeks	02-Nov-2006	30-Nov-2006	
A/E Short-list	3 weeks	30-Nov-2006	21-Dec-2006	
A/E Interviews	2 weeks	21-Dec-2006	04-Jan-2007	
A/E Selection	1 weeks	04-Jan-2007	11-Jan-2007	
Contract Negotiations with A/E	2 weeks	11-Jan-2007	25-Jan-2007	
C/M SELECTION PROCESS	10 weeks	30-Nov-2006	08-Feb-2007	0.2 Years
Advertise for C/M in FAW	4 weeks	30-Nov-2006	28-Dec-2006	
C/M Short-list	2 weeks	28-Dec-2006	11-Jan-2007	
C/M Interviews	2 weeks	11-Jan-2007	25-Jan-2007	
C/M Selection	1 weeks	25-Jan-2007	01-Feb-2007	
Contract negotiations with C/M	1 weeks	01-Feb-2007	08-Feb-2007	
DESIGN PHASE	30 weeks	25-Jan-2007	23-Aug-2007	0.6 Years
Combined Conceptual/Schematic Design	6 weeks	25-Jan-2007	08-Mar-2007	
Conceptual/Schematic Design review and approval	2 weeks	08-Mar-2007	22-Mar-2007	
Design Development and Budget verification	4 weeks	22-Mar-2007	19-Apr-2007	
Design Development review and approval	3 weeks	19-Apr-2007	10-May-2007	
50% Construction Documents and Budget update	4 weeks	10-May-2007	07-Jun-2007	
50% Construction Documents review and approval	2 weeks	07-Jun-2007	21-Jun-2007	
100% Construction Documents and Budget update	4 weeks	21-Jun-2007	19-Jul-2007	
100% Construction Documents review and approval	4 weeks	19-Jul-2007	16-Aug-2007	
Code Review, submittal to SFM, GMP	5 weeks	19-Jul-2007	23-Aug-2007	
CONSTRUCTION PHASE	50 weeks	23-Aug-2007	09-Aug-2008	1.0 Years
Notice to Proceed	1 weeks	16-Aug-2007	23-Aug-2007	
Construction	44 weeks	23-Aug-2007	26-Jun-2008	
Substantial Completion Inspection	2 weeks	26-Jun-2008	10-Jul-2008	
Punchlist Corrective Work	4 weeks	10-Jul-2008	09-Aug-2008	
Owner Occupancy	2 weeks	10-Jul-2008	24-Jul-2008	
Final Completion Inspection	0 weeks	09-Aug-2008	09-Aug-2008	
Total	95 weeks	12-Oct-2006	09-Aug-2008	1.8 Years

A. ESTIMATED FUNDING

PLANNING, CONSTRUCTION & EQUIPMENT FUNDING	
PECO Funds (2006-2007)	\$10,009,000.00
TOTAL PROJECT FUND	\$10,009,000.00

B. ESTIMATED BUDGET SUMMARY

The following Budget reflects the estimated project costs for the proposed building. See the detailed budget in section XV.

b.	Additional/Extraordinary Construction Costs and Inflation			47.54	\$1,455,900.00
	Sub Total Construction Costs	30,623		243.04	\$7,442,500.00
2	Other Project Costs				
a.	Land/existing facility acquisition				\$0.00
b.	Professional Fees				\$604,600.00
c.	Fire Marshal Fees				\$18,600.00
d.	Inspection Services				\$85,400.00
e.	Insurance Consultant				\$4,800.00
f.	Surveys and Tests				\$20,000.00
g.	Permit/Impact/Environmental Fees				\$3,000.00
h.	Art Work				\$29,900.00
i.	Movable Furnishings & Equipment				\$1,167,600.00
j.	Project Contingencies				\$632,600.00
	Sub Total Other Project Costs	30,623		83.81	\$2,566,500.00
	TOTAL PROJECT BUDGET	30,623		326.85	\$10,009,000.00

XV. PROJECT BUDGET SUMMARY

BT-623 PORT ST. LUCIE – PHASE II FACILITY

PROJECT SPACE AND BUDGET SUMMARY (Reference: SUS CM-N-04.00-09/97, Attachment 3)

The following estimate establishes the project budget in detail. The cost of site development may vary depending on the actual location of the addition and the resulting conditions.

Project: Port St. Lucie Partner Campus Facility - Phase II				Date Run:		9/5/2006	
WORKSHEET FOR SECTION XV, PROJECT BUDGET SUMMARY							
Fill in the Yellow shaded area only		Return to: XV, Summary		Worksheets: Schedule			
Automatic entry in Light Green		IX, Program		Program			
PROJECT SPACE AND BUDGET SUMMARY (Reference: SUS CM-N-04.00-09/97, Attachment 3)							
Inflation Adjustment		1.25		Years @	10.00 %	Effective Rate	10.12 %
Construction Phase Duration		1		Years			
Design Phase Duration		0.5		Years		Estimated Budget	\$ 10,009,000.00
						Target Budget	\$ 10,009,000.00
SPACESUMMATION (from Section IX of Facilities Program)							
Program Space Type (New Construction)		NASF		Factor	GSF	\$ / GSF	\$
Classrooms		12,435		1.5	18,653	162.75	\$3,035,694.38
Teaching Labs		-		1.50	-	167.94	\$0.00
Offices		7,980		1.5	11,970	163.17	\$1,953,144.90
Avg. Construction Cost						\$ 162.91	
Total Construction Cost		20,415		1.50	30,623		\$4,988,800.00
1 CONSTRUCTION COSTS (Reference: SUS CM-D-38.00-09/97, Attachment 1-B)							
a. Building Construction Cost				Units		Unit Cost	\$
New Construction Cost		30,623		GSF		\$162.91	\$4,988,800.00
Esc Factor over CIP Allowance to Present Costs		20.00%		Allowance		\$32.58	\$997,760.00
Building Demolition		-		GSF		\$0.00	\$0.00
Sub-Total Construction Costs					Round to 100	\$195.50	\$5,986,600.00
b. Additional/Extraordinary Construction Cost				Units		Unit Cost	\$
Unsuitable Soils Mitigation		1		Allowance		\$0.00	\$0.00
Site Preparation/Demolition		1		Allowance		\$25,000.00	\$25,000.00
Landscape/Irrigation		1		Allowance		\$50,000.00	\$50,000.00
Asbestos/Lead Abatement (Demo & Renovation)		1		Allowance		\$0.00	\$0.00
Plazas/Walks/Bikepaths - Also See Contingencies		1		Allowance		\$20,000.00	\$20,000.00
Security Cameras (3) & Card Access (3)		1		Allowance		\$30,000.00	\$30,000.00
Parking Improvements- Also See Contingencies		1		Allowance		\$0.00	\$0.00
Telecommunications		1		Allowance		\$100,000.00	\$100,000.00
Electrical Services		1		Allowance		\$50,000.00	\$50,000.00
Water Distribution		1		Allowance		\$25,000.00	\$25,000.00
Sanitary Sewer System		1		Allowance		\$25,000.00	\$25,000.00
Chilled Water System		1		Allowance		\$270,000.00	\$270,000.00
Storm Water System		1		Allowance		\$25,000.00	\$25,000.00
Energy Efficient Equipment		1		Allowance		\$0.00	\$0.00
Sub-Total Add/Extra Construction Costs					Round to 100	\$620,000.00	
Inflation Adjustment							\$835,900.00
TOTAL CONSTRUCTION COSTS (A/E Fee Base)						\$ 243.04	\$7,442,500.00
TOTAL CONSTRUCTION COST LESS TELECOM (CM FEE)						\$ 239.77	\$7,342,500.00

See next page for other project costs.

BT-623 PORT ST. LUCIE – PHASE II FACILITY

2 OTHER PROJECT COSTS Add or delete following items as required.

a. Land/Existing Facility Acquisition	Purchase or Budget	\$0.00	Round to 100	\$0.00
b. Professional Fees				
A/E Fees (Curve D: Average Complexity)	6.60%	%	\$ 491,205.0	\$491,200.00
Misc Design Fees	1	Allowance	\$ 20,000.00	\$20,000.00
Misc Consultant Fees	1	Allowance	\$ 20,000.00	\$20,000.00
C/M Pre-Construction Services Fee	1.00	%	\$ 73,425.00	\$73,400.00
Sub-Total Professional Fees			Round to 100	\$604,600.00
c. State Fire Marshal Review and Inspection	0.25	%	Round to 100	\$18,600.00
d. Inspection Services				
Roofing Inspection	1	Allowance	3 Weeks	\$1,800.00
Code Compliance Inspection	1	Allowance		\$65,000.00
Plan Review (Code Compliance Inspection)	1	Allowance		\$15,000.00
Sub-Total Inspection Services				\$85,400.00
e. Risk Management / Insurance Consultant	0.06	%	Round to 100	\$4,800.00
f. Surveys & Tests				
Topographical/Site Survey	1	Allowance		\$10,000.00
Geotechnical Testing	1	Allowance		\$10,000.00
Sub-Total Surveys & Tests			Round to 100	\$30,000.00
g. Permit/Impact/Environmental Fees				
Environmental (SFWM)	1	Allowance		\$3,000.00
Sub-Total Permits/Impact Fees			Round to 100	\$3,000.00
h. Art in State Building (Section 255.043, F.S.)	0.5	%	Round to 100	\$29,900.00
i. Movable Furniture & Equipment				
Furniture	4	%		\$297,700.00
Equipment	1.8	%		\$134,000.00
Equipment - Custodial & Card Access	0.05	%		\$3,700.00
Miscellaneous	1	Allowance	\$0.00	\$1,300.00
IRM AV Equipment	1	Allowance	\$648,000.00	\$648,000.00
IRM Equipment (Voice, Data, Video)	1	Allowance	\$67,898.00	\$67,898.00
IRM Drops	100	# of Drops	\$150.00	\$15,000.00
Sub-Total Furniture & Equipment			Round to 100	\$1,167,600.00
j. Project Contingency*	7	%	Round to 100	\$511,000.00
*Parking for 80 cars	80	Spaces	\$ 2,500.00	\$200,000.00
*Public Sidewalk - 2,184 lf x 8' wide	17,500	SF	\$ 7.00	\$122,500.00
Campus Infrastructure	1.5	%	Round to 100	\$111,600.00
TOTAL OTHER PROJECT COSTS			Round to 100	\$2,566,500.00
TOTAL PROJECT BUDGET COST ESTIMATE			\$326.85	\$10,009,000.00

* Two specific items (included in the above contingency line) are listed as high priority upon the delivery of a successful building.

END OF PROGRAM